

Table 1. Saccharides displayed on the glycan array

Glycan	IUPAC	LINEARCODE®	Common Name
0	p-Nitronhenol	pNP-0	
1	Gal (α)	Aa	
2	Gal (β)	Ab	
3	Gal (β 1-3) GalNAc (α)	Ab3ANa	
4	Gal (β 1-3) GlcNAc (β)	Ab3GNb	
5	Gal (β 1-4) Glc (β)	Ab4Gb	Lactose
6	Gal (β 1-6) Gal (β)	Ab6Ab	
7	GalNAc (α)	ANa	
8	GalNAc (β)	ANb	
9	Fuc (α)	Fa	
10	Fuc (β)	Fb	
11	Glc (α)	Ga	
12	Glc (α 1-4) Glc (α)	Ga4Ga	Maltose
13	Glc (α 1-4) Glc (β)	Ga4Gb	
14	Glc (β)	Gb	
15	Glc (β 1-4) Glc (β)	Gb4Gb	Cellobiose
16	Glc (β 1-4) Glc (β 1-4) Glc (β)	Gb4Gb4Gb	Cellotriose
17	GlcNAc (α)	GNa	
18	GlcNAc (β)	GNb	
19	GlcNAc (β 1-3) GalNAc (α)	GNb3ANa	
20	GlcNAc (β 1-4) GlcNAc (β)	GNb4GNb	Chitobiose
21	L-Rha (α)	Ha	
22	GalA (β)	Lb	
23	Man (α)	Ma	
24	Man (β)	Mb	
25	Neu5Ac (α)	NNa	
26	L-Araf (α)	Ra	
27	GlcA (β)	Ub	
28	X(α)	Xa	
29	X(β)	Xb	
30	Gal (β1-3) [GlcNAc (β1-6)] GalNAc (α)	Ab3(GNb6)ANa	
31	Gal (β 1-4) GlcNAc (α)	Ab4GNa	
32	Gal (α1-3) Gal (β 1-4) GlcNAc (β)	Aa3Ab4GNb	Linear B-2
33	Gal (β1-3) Gal (β1-4)GalNAc (β)	Ab4GNb	
34	Man (β1-4) GlcNAc (β)	Mb4Gb	
35	GlcNAc (β1-6)GalNAc (α)	GNb6ANa	
36	Fuc (α 1-2) Gal (β)	Fa2Ab	
37	Man (α 1-3) Man (α)	Ma3Ma	
38	GlcNAc (β) 6-sulfate	GN[6S]b	
39	Glc (β 1-3) Glc (β)	Gb3Gb	
40	Gal(β) 3-sulfate	A[3S]b	
41	Man (α 1-3) [Man (α1-6)] Man (β)	Ma3(Ma6)Mb	
42	GlcNAc (β 1-3) Gal (α1-4) Glc (β)	GNb3Ab4Gb	Lacto-3
43	Gal (α1-4) Gal (β 1-4) Glc (β)	Aa4Ab4Gb	Pk antigen
44	Man (α 1-6) Man α	Ma6Ma	
45	Man (α 1-2) Man α	Ma2Ma	
46	Dextran		Dextran

47	Mannam		Mannam
48	Xylan		Xylan

Table 2: Fluorescent signals from binding of antibodies to different glycans in CD patients and non CD patients . Glycans are presented in LINEARCODE®.

Patient No.	Clinical condition	239,525	979,509	324,062	28,737	412,186	145,841	585,221	5,407,769	4,677,868	0			
10.001	Crohn's disease	239,525	979,509	324,062	28,737	412,186	145,841	585,221	5,407,769	4,677,868	0			
10.004	Crohn's disease	361,122	3,511,076	2,981,922	0	0	0	1,014,266	3,676,579	1,900,867	956,611			
10.005	Crohn's disease	7,641	525,033	13,736	361,139	0	0	0	3,732,911	3,488,820	0			
10.006	Crohn's disease	555,734	62,662	268,512	78,564	42,543	0	48,213	1,081,472	324,492	276,481			
10.007	Crohn's disease	0	0	0	0	0	0	0	2,448,511	1,002,269	0			
10.008	Crohn's disease	0	3,186,273	261,521	0	0	0	0	6,261,035	2,793,801	169,975	80 neg	30	
10.009	Crohn's disease	598,715	454,736	328,022	167,316	0	45,866	128,896	3,206,701	874,256	1,180,180			
10.011	Crohn's disease	435,226	2,467,429	0	66,968	0	0	0	4,269,038	918,204	0			
10.012	Crohn's disease	0	27,402	214,518	0	0	0	0	372,869	0	3,692			
10.013	Crohn's disease	91,743	27,236	51,842	0	83,080	0	0	592,410	263,911	30,891			
10.015	Crohn's disease	1,436,731	1,817,947	2,540,714	303,550	0	0	257,638	6,989,275	2,571,728	416,510			
10.016	Crohn's disease	906,573	1,994,899	1,971,018	374,544	84,710	0	30,478	0	7,307,500	2,000,621	434,306		
10.018	Crohn's disease	521,021	0	147,106	0	0	0	0	609,892	9,327	265,948			
10.021	Crohn's disease	544,585	1,317,083	1,000,896	42,976	0	0	0	3,681,841	1,126,417	0			
10.025	Crohn's disease	885,575	6,891,638	1,217,531	364,637	188,365	109,598	452,964	7,130,311	0	798,295	49 neg		
10.026	Crohn's disease	538,616	2,154,175	961,447	327,688	153,606	173,522	257,506	3,708,910	212,962	511,471			
10.027	Crohn's disease	113,583	3,569,430	1,182,752	66,965	0	84,390	224,520	4,915,018	1,339,734	84,567			
10.028	Crohn's disease	0	1,825,768	188,320	128,581	0	0	0	802,554	0	0			
10.031	Crohn's disease	20,260	371,507	199,225	0	57,754	0	328,085	5,299,212	4,173,768	0			
10.033	Crohn's disease	725,599	344,750	390,943	340,134	19,045	0	34,499	8,102,888	937,019	173,028	108 neg	47	
10.034	Crohn's disease	227,314	87,267	850,765	0	9,877	0	0	36,562	4,729,753	506,773	0		
10.036	Crohn's disease	391,063	1,425,185	221,359	185,257	479,128	155,365	279,542	4,912,482	967,370	270,805			
10.041	Crohn's disease	2,447,847	7,299,442	1,196,749	554,440	1,382,815	1,131,592	1,065,763	5,218,211	955,444	1,054,687			
10.042	Crohn's disease	3,075,165	4,137,076	4,847,786	1,141,538	657,599	790,941	1,710,324	6,111,548	129,079	0			
10.043	Crohn's disease	238,700	5,724,798	5,015,665	0	0	0	1,436,369	4,450,715	0	3,526,456			
10.047	Crohn's disease	898,156	5,545,432	763,145	348,968	11,887	0	15,388	3,536,621	0	281,900			
10.059	Crohn's disease	1,111,895	3,056,078	938,236	259,305	294,314	365,078	320,510	2,812,932	175,351	0	9 neg	18	
10.060	Crohn's disease	3,488,594	5,107,549	3,189,052	861,636	56,108	866,832	0	4,567,274	0	175,351			
10.061	Crohn's disease	302,526	6,708,583	403,578	63,045	116,816	84,505	12,868	737,419	0	809,159			
10.062	Crohn's disease	1,970,248	1,880,984	1,712,647	592,494	479,672	91,360	267,315	5,190,198	4,657,297	26,370			
10.064	Crohn's disease	923,863	1,722,429	2,323,960	458,720	1,300,332	2,360,047	1,161,372	5,587,714	3,686,434	697,265			
10.067	Crohn's disease	679,586	2,890,072	1,376,044	0	325,777	929,191	583,323	1,998,817	0	1,478,295			
10.068	Crohn's disease	412,474	241,622	307,409	256,896	501,122	1,525,473	961,710	29,236	23,306	800,316			
10.071	Crohn's disease	1,182,752	3,578,889	708,939	0	309,375	289,195	1,189,325	3,463,114	2,627,120	711,760			
10.073	Crohn's disease	547,155	2,551,716	1,018,813	293,958	1,159,788	1,611,290	1,181,541	6,630,916	6,178,401	1,576,654	72 neg	113	
10.074	Crohn's disease	1,649,657	1,705,804	196,196	150,342	1,020,256	1,307,139	952,214	4,000,090	499,170	608,101	43 neg	16	
10.075	Crohn's disease	4,173,074	1,239,245	3,374,828	80,395	1,048,834	749,680	2,574,514	5,264,056	5,284,056	2,824,132			
10.077	Crohn's disease	679,575	1,575,957	675,875	420,437	289,185	685,814	228,635	417,861	30,513	0	15 neg	9	
10.078	Crohn's disease	852,494	2,324,221	2,518,629	740,309	794,975	675,514	725,864	6,306,500	1,744,364	1,191,273	89 neg	104	
10.081	Crohn's disease	1,856,749	1,869,774	1,496,600	365,947	851,804	125,827	824,214	3,759,243	2,364,189	471,166	39 neg	10	
10.089	Crohn's disease	3,084,860	1,580,904	4,839,888	210,753	483,336	0	502,368	179,822	321,993	706,668	12 neg	26	
10.090	Crohn's disease	755,279	5,640,050	5,833,141	215,327	906,572	122,830	250,375	6,317,466	736,699	161,181			
10.094	Crohn's disease	2,153,522	2,067,715	2,215,576	884,260	1,237,060	930,156	491,528	4,056,131	997,472	954,849			
10.095	Crohn's disease	4,805,595	4,327,530	4,460,322	573,036	797,142	379,977	393,270	6,473,836	1,187,706	720,792			
10.102	Crohn's disease	445,821	378,722	797,078	161,173	245,130	126,639	88,512	115,577	131,432	475,933			
10.051	No digestive disease	549,212	526,443	198,870	947,346	0	0	191,673	1,794,907	0	0			
10.052	No digestive disease	560,759	317,476	367,236	33,889	5,587	0	58,482	368,363	396,032	0			
10.053	No digestive disease	57,598	242,565	0	50,803	0	0	37,466	593,405	336,286	25,865			
10.054	No digestive disease	107,361	78,554	408,138	95,010	0	0	0	594,824	1,014,501	0			
10.059	All fistula	349,679	441,239	0	0	0	0	0	2,364,312	228,846	1,110,942			
10.066	Proctitis/Pilonitis	149,491	174,695	197,436	99,518	117,444	0	74,490	1,086,575	844,179	97,181			
10.080	No digestive disease	948,557	1,266,954	885,097	67,661	0	0	0	1,159,558	1,193,312	0			
10.082	No digestive disease	78,069	1,379,223	170,595	0	0	0	0	4,298,190	1,678,410	0			
10.093	Ulcerative colitis	363,362	312,940	168,366	347,208	50,843	0	0	525,545	361,718	258,224			
10.020	Ulcerative colitis	0	2,703,065	0	0	0	0	0	1,106,666	541,262	0			
10.022	Ulcerative colitis	340,269	1,732,725	2,208,455	67,238	0	0	0	4,272,492	2,348,965	0	40 neg	16	
10.023	Ulcerative colitis	90,914	1,209,892	20,926	0	267,614	0	0	308,161	93,567	50,612			
10.024	Ulcerative colitis	159,590	489,733	0	0	0	0	0	5,003,204	1,416,782	124,268			
10.030	Ulcerative colitis	1,690	6,363	58,298	0	71,007	0	0	1,227,240	606,565	152,946			
10.038	Ulcerative colitis	0	546,430	2,775,805	0	0	0	0	1,598,845	0	106,636			
10.040	Ulcerative colitis	0	371,648	30	0	0	0	0	2,638,350	744,866	1,110,942			
10.044	Ulcerative colitis	543,355	108,535	551,977	0	274,235	0	19,948	559,985	926,919	0			
10.050	Ulcerative colitis	1,182,836	430,125	605,578	274,541	419,442	118,678	313,631	1,532,328	356,345	563,448			
10.065	Ulcerative colitis	977,372	851,962	391,083	304,212	128,015	133,662	314,068	1,911,575	957,048	627,415			
10.069	Ulcerative colitis	169,349	133,883	746,781	97,734	0	0	0	1,281,592	777,260	25,579	8 neg	6	
10.072	Ulcerative colitis	120,534	86,949	188,860	0	69,365	5,299	120,392	3,436,295	268,387	96,768			
10.079	Ulcerative colitis	336,039	341,678	1,186,596	191,939	103,678	49,476	34,897	1,513,149	432,879	0			
10.084	Ulcerative colitis	446,430	1,574,353	2,292,321	136,761	184,468	22,962	21,668	1,096,196	112,154	101,127			
10.086	Ulcerative colitis	161,202	379,003	417,320	36,600	0	0	0	1,699,125	598,760	47,781			
10.087	Ulcerative colitis	343,325	156,547	306,446	114,600	137,647	57,893	240,234	1,047,544	110,275	108,383	6 neg	15	
10.096	Ulcerative colitis	413,405	1,481,919	550,499	94,137	54,108	0	34,617	4,957,039	186,966	106,274			
10.097	Ulcerative colitis	125,681	612,367	622,629	46,173	0	0	0	1,426,371	167,573	10,366			
Cut-offs in percentages														
65		367,204	582,696	614,956	96,508	70,768	0	34,771	1,649,499	892,541	103,968			
75		445,913	1,224,157	789,355	120,140	120,086	1,575	62,484	2,022,259	964,654	131,437			
85		548,979	1,457,784	938,783	190,400	182,126	47,200	118,786	3,406,400	1,011,629	254,545			
90		677,098	1,621,865	1,493,453	263,442	251,875	76,198	206,241	4,748,481	1,260,363	502,187			
98		1,071,886	3,042,838	2,514,749	623,271	341,030	129,870	313,822	4,978,274	1,966,860	849,637			
Average														
Crohn's disease		1,036,860	2,487,492	1,419,442	260,564	354,076	342,420	465,829	3,823,755	1,489,028	565,479			
No Crohn's Disease		371,800	508,638	111,210	69,757	0	14,373	54,133	1,837,254	618,517	136,809			
Median														
Crohn's disease		596,715	1,880,984	961,447	185,257	153,606	91,360	279,542	4,060,050	937,019	302,912			
No Crohn's Disease		169,349	441,239	408,109	50,803	0	0	0	1,426,371	432,879	47,781			
test CD vs Non CD														
		0.00245646	0.000184349	0.00126224	0.01694961	0.00111652	0.002613017	0.00033205	0.000178922	0.011365107	0.00374204			

in CD patients and non CD patients. Glycans are presented in LINEARCODE®.

Patient No.	Clinical condition	IgM A3S1b	IgM A3S1c	IgM A3A8GND	IgM A3A8MGD	IgM A3GNB3AN	IgM A3ANA	IgM GNB3AGD	IgM GNB3AN	IgM Dextran	IgM Mannan
10.001	Crohn's disease	0	0	2,471,242	0	0	0	608,457	657,592	230,160	2,084,216
10.004	Crohn's disease	0	31,779	7,528,498	0	0	0	542,436	730,879	360,390	722,969
10.005	Crohn's disease	0	336,274	1,227,302	0	0	0	1,375,070	2,933,445	388,048	117,931
10.006	Crohn's disease	23,445	11,875	76,964	946,221	68,568	402,561	1,695,894	1,963,416	3,110,617	810,502
10.007	Crohn's disease	0	0	917,187	0	0	0	1,178,646	993,402	969,884	612,220
10.008	Crohn's disease	103,139	174,915	62,386	1,310,822	0	0	736,201	1,372,832	468,089	796,727
10.009	Crohn's disease	0	0	92,347	0	0	0	322,451	680,970	59,317	0
10.011	Crohn's disease	0	346,998	172,408	2,711,283	0	0	206,150	1,039,067	494,848	0
10.012	Crohn's disease	152,801	228,391	96,406	588,862	0	0	972,528	1,688,071	1,221,314	1,490,580
10.013	Crohn's disease	398,314	244,995	74,172	152,447	1,274,136	1,194,898	1,392,444	0	0	0
10.015	Crohn's disease	276,400	662,981	207,563	805,291	387,307	390,644	325,647	0	0	0
10.016	Crohn's disease	282,568	60,337	59,441	2,633,452	260,897	0	14,251	0	0	0
10.018	Crohn's disease	0	0	0	394,458	248,996	228,314	158,547	0	0	0
10.021	Crohn's disease	42,493	0	0	336,824	762,735	862,490	700,041	0	0	0
10.025	Crohn's disease	316,210	0	118,211	1,399,632	456,121	319,573	565,269	0	0	0
10.026	Crohn's disease	93,421	0	5,028	199,707	0	0	0	0	0	0
10.027	Crohn's disease	68,671	16,665	2,865	642,630	151,387	437,186	547,822	0	0	0
10.028	Crohn's disease	8,000	101,278	21,251	775,450	510,204	540,836	723,234	0	81,777	45,618
10.031	Crohn's disease	17,969	7,639	171,149	1,043,614	165,011	242,183	199,166	0	15,958	0
10.033	Crohn's disease	130,546	0	143,284	2,808,678	14,440	0	1,113,845	0	0	0
10.034	Crohn's disease	28,533	76,677	0	796,415	770,101	695,339	641,641	0	121,757	78,717
10.036	Crohn's disease	166,203	638,863	313,056	894,349	163,646	542,487	2,180,044	0	0	0
10.041	Crohn's disease	72,138	312,400	40,870	1,134,466	123,889	89,104	151,581	0	0	0
10.042	Crohn's disease	121,261	461,961	96,621	448,556	0	0	1,345,482	1,159,234	0	0
10.043	Crohn's disease	609,401	946,450	175,316	2,132,133	0	0	0	0	0	0
10.047	Crohn's disease	130,239	89,417	354,536	3,330,642	831,510	857,115	1,076,947	0	465,551	147,112
10.058	Crohn's disease	110,420	127,556	83,918	705,563	128,555	220,493	428,347	0	0	0
10.060	Crohn's disease	492,266	0	1,680,299	4,655,963	363,862	1,284,367	474,206	0	19,714	0
10.061	Crohn's disease	158,347	610,869	308,553	1,513,948	690,511	1,095,509	1,128,863	0	621,675	149,877
10.062	Crohn's disease	289,501	687,427	334,870	6,413,459	715,200	1,485,943	2,464,680	0	220,921	188,632
10.064	Crohn's disease	539,120	966,435	369,881	7,316,963	245,487	664,556	1,633,864	0	635,144	0
10.067	Crohn's disease	35,866	72,174	67,348	863,714	222,729	141,266	75,592	0	0	0
10.068	Crohn's disease	512,740	619,837	152,275	646,134	0	0	0	0	0	0
10.071	Crohn's disease	697,219	227,691	284,323	2,120,939	67,858	77,830	88,393	0	272,031	0
10.073	Crohn's disease	1,108,947	1,190,028	275,651	4,724,418	0	0	147,447	30,339	184,079	5,781
10.074	Crohn's disease	102,766	151,414	0	2,834,813	0	0	0	0	0	0
10.075	Crohn's disease	0	0	0	2,892,894	65,267	34,147	241,365	0	65,722	0
10.077	Crohn's disease	432,092	229,195	0	448,889	0	214,916	88,848	0	321,513	0
10.078	Crohn's disease	410,966	328,642	922,740	2,545,334	0	0	0	0	0	0
10.081	Crohn's disease	371,099	165,461	36,119	1,313,553	0	0	0	0	28,386	907,289
10.089	Crohn's disease	939,597	1,113,730	277,224	515,127	0	0	0	0	0	0
10.090	Crohn's disease	302,186	226,019	54,115	2,362,380	0	0	0	0	6,781	0
10.094	Crohn's disease	497,476	190,609	45,591	436,906	68,166	118,072	97,315	93,394	4,567	0
10.095	Crohn's disease	10,806	2,644	0	507,917	0	0	0	0	0	0
10.102	Crohn's disease	46,151	18,064	0	343,762	0	0	0	0	0	0
10.051	No digestive disease	47,892	817,025	0	563,929	0	0	0	0	0	0
10.052	No digestive disease	117,302	150,206	93,166	605,430	0	0	0	0	0	0
10.053	No digestive disease	38,792	224,900	0	215,960	0	803,031	314,948	0	0	0
10.054	No digestive disease	99,132	97,152	97,283	744,642	0	33,896	86,151	118,374	0	0
10.059	Anal fissure	0	0	0	636,387	0	0	47,680	0	0	0
10.066	Practitis/Psoriasis	422,865	580,445	0	1,448,080	255,814	613,172	366,385	711,585	672,896	648,481
10.060	No digestive disease	104,079	137,997	0	1,279,087	0	142,813	1,437,670	357,136	255,635	13,016
10.062	No digestive disease	1,071,426	53,617	17,586	833,226	0	0	361,634	265,794	58,052	1,059,304
10.003	Ulcerative colitis	8,237	26,105	0	623,317	0	0	0	0	0	0
10.020	Ulcerative colitis	0	0	0	524,406	0	0	0	0	0	0
10.022	Ulcerative colitis	0	0	0	739,593	0	0	230,936	5,364	0	0
10.023	Ulcerative colitis	259,476	0	0	886,296	0	0	538,071	0	0	0
10.024	Ulcerative colitis	0	0	24,596	639,507	0	0	119,591	2,544,871	64,642	1,271,762
10.030	Ulcerative colitis	0	0	76,523	1,016,276	0	0	79,886	60,684	806,210	622,805
10.039	Ulcerative colitis	48,020	11,750	0	846,823	0	0	26,754	32,365	732,277	910,689
10.040	Ulcerative colitis	0	0	0	631,587	0	0	0	0	0	0
10.044	Ulcerative colitis	11,952	83,214	18,880	413,193	7,575	99,214	210,443	53,421	548,498	59,039
10.050	Ulcerative colitis	51,965	5,070	0	360,267	0	0	0	0	445,848	728,257
10.065	Ulcerative colitis	0	101,517	0	464,560	646,009	651,393	679,823	669,033	381,610	201,783
10.069	Ulcerative colitis	9,590	0	38,568	419,600	0	0	0	0	1,127,666	1,331,796
10.072	Ulcerative colitis	7,293	0	15,179	999,491	0	0	375,381	0	825,895	1,084,765
10.079	Ulcerative colitis	0	0	35,681	603,017	0	79,891	36,806	512,305	182,972	79,189
10.084	Ulcerative colitis	0	0	0	428,114	0	0	0	0	660,663	1,075,158
10.086	Ulcerative colitis	0	0	0	607,351	16,236	221,934	0	293,278	836,147	1,931,046
10.087	Ulcerative colitis	262,818	0	12,080	873,344	175,021	175,678	321,514	145,748	337,665	220,927
10.096	Ulcerative colitis	-	-	56,446	371,917	0	-	-	-	331,000	441,228
10.097	Ulcerative colitis	-	-	40,759	571,976	0	-	-	-	1,022,582	33,778
Average											
Crohn's disease	224,427	259,542	156,743	1,797,182	193,725	294,251	395,947	11,695	83,517	13,908	1,277,643
No Crohn's Disease	94,838	84,778	19,507	686,898	40,765	103,227	134,534	144,481	252,329	54,516	429,258
Median											
Crohn's disease	121,281	151,414	67,348	1,043,614	14,440	68,568	88,848	-	-	897,206	963,376
No Crohn's Disease	8,237	-	-	636,387	-	-	-	-	-	682,951	160,549
test CD vs Non CD											
	0.034732158	0.013016159	0.0156334	0.002570494	0.014433781	0.036400897	0.0404051138	0.000350829	0.047775166	0.059924749	0.029702213
										0.017590683	0.034573847
											0.000253061

Table 4 : Specificity and sensitivity of the different IgG anti glycans for differentiation between CD and other digestive diseases using different cut-off values. The cutoff values for each glycans were set as the 89th percentiles of the other digestive disease group. Glycans are presented in linear code.

Cut-off level		Anti Glycan IgG antibodies									
		Gb	Gb3Gb	Gb4Gb	GN[6S]b	Ma	Ma3(Ma6)Mb	Ma3Ma	Mannan	Xylan	Ma2Ma
65 percentile of non CD	Sensitivity for CD %	76	73	62	62	58	60	71	78	58	71
	Specificity for CD %	70	63	67	70	67	78	70	67	63	67
75 percentile of non CD	Sensitivity for CD %	62	71	58	60	71	60	64	73	62	71
	Specificity for CD %	74	74	78	78	52	78	78	74	74	78
85 percentile of non CD	Sensitivity for CD %	56	64	51	49	49	56	62	67	40	62
	Specificity for CD %	81	81	81	81	85	85	81	81	81	85
90 percentile of non CD	Sensitivity for CD %	49	62	33	42	44	56	60	47	36	40
	Specificity for CD %	89	89	89	89	89	93	89	89	89	89

Table 5: The sensitivity, specificity , True Positives (TP), True Negative (TN), False Positives (FP), and False Negatives (FN) , and Positive Predictive Value (PPV) in different cut-of values for differentiation between CD and other digestive disease according to the level of Anti-Glc (β 1-3) Glc (β) IgG.

IgG Gb3Gb (abnormals above cut-off)	Sensitivity	Specificity	TP	TN	FP	FN	PPV
-	100.0%	0.0%	45	0	27	0	62.5
0	95.6%	0.0%	43	0	27	2	61.43
6,963	95.6%	3.7%	43	1	26	2	62.32
27,235	93.3%	3.7%	42	1	26	3	61.76
27,402	91.1%	3.7%	41	1	26	4	61.19
62,662	88.9%	3.7%	40	1	26	5	60.61
78,554	88.9%	7.4%	40	2	25	5	61.54
86,949	88.9%	11.1%	40	3	24	5	62.5
87,267	88.7%	11.1%	39	3	24	6	61.9
108,535	88.7%	14.8%	39	4	23	6	62.9
133,683	88.7%	18.5%	39	5	22	6	63.93
156,547	88.7%	22.2%	39	6	21	6	65
174,695	88.7%	25.9%	39	7	20	6	66.1
241,622	84.4%	25.9%	38	7	20	7	65.52
242,565	84.4%	29.6%	38	8	19	7	66.67
312,940	84.4%	33.3%	38	9	18	7	67.86
317,476	84.4%	37.0%	38	10	17	7	69.09
344,750	82.2%	37.0%	37	10	17	8	68.52
371,507	80.0%	37.0%	36	10	17	9	67.92
371,648	80.0%	40.7%	36	11	16	9	69.23
378,722	77.8%	40.7%	35	11	16	10	68.63
379,003	77.8%	44.4%	35	12	15	10	70
430,129	77.8%	48.1%	35	13	14	10	71.43
441,239	77.8%	51.9%	35	14	13	10	72.92
454,736	75.6%	51.9%	34	14	13	11	72.34
489,733	75.6%	55.6%	34	15	12	11	73.91
525,203	73.3%	55.6%	33	15	12	12	73.33
526,443	73.3%	59.3%	33	16	11	12	75
546,432	73.3%	63.0%	33	17	10	12	76.74
612,367	73.3%	66.7%	33	18	9	12	78.57
651,962	73.3%	70.4%	33	19	8	12	80.49
979,509	71.1%	70.4%	32	19	8	13	80
1,209,892	71.1%	74.1%	32	20	7	13	82.05
1,266,954	71.1%	77.8%	32	21	6	13	84.21
1,317,083	68.9%	77.8%	31	21	6	14	83.78
1,376,957	66.7%	77.8%	30	21	6	15	83.33
1,379,223	66.7%	81.5%	30	22	5	15	85.71
1,425,185	64.4%	81.5%	29	22	5	16	85.29
1,461,919	64.4%	85.2%	29	23	4	16	87.88
1,560,904	62.2%	85.2%	28	23	4	17	87.5
1,574,353	62.2%	88.9%	28	24	3	17	90.32
1,705,604	60.0%	88.9%	27	24	3	18	90
1,722,429	57.8%	88.9%	26	24	3	19	89.66
1,732,725	57.8%	92.6%	26	25	2	19	92.86
1,817,947	55.6%	92.6%	25	25	2	20	92.59
1,825,768	53.3%	92.6%	24	25	2	21	92.31
1,869,774	51.1%	92.6%	23	25	2	22	92
1,880,984	48.9%	92.6%	22	25	2	23	91.67
1,994,899	46.7%	92.6%	21	25	2	24	91.3
2,067,775	44.4%	92.6%	20	25	2	25	90.91
2,154,175	42.2%	92.6%	19	25	2	26	90.48
2,324,221	40.0%	92.6%	18	25	2	27	90
2,467,429	37.8%	92.6%	17	25	2	28	89.47
2,551,776	35.6%	92.6%	16	25	2	29	88.89
2,703,085	35.6%	96.3%	16	26	1	29	94.12
2,850,072	33.3%	96.3%	15	26	1	30	93.75
3,096,078	31.1%	96.3%	14	26	1	31	93.33
3,186,273	28.9%	96.3%	13	26	1	32	92.86
3,441,678	28.9%	100.0%	13	27	0	32	100
3,511,076	26.7%	100.0%	12	27	0	33	100
3,559,430	24.4%	100.0%	11	27	0	34	100
3,578,889	22.2%	100.0%	10	27	0	35	100
4,137,076	20.0%	100.0%	9	27	0	36	100
4,327,530	17.8%	100.0%	8	27	0	37	100
5,107,549	15.6%	100.0%	7	27	0	38	100
5,545,432	13.3%	100.0%	6	27	0	39	100
5,640,050	11.1%	100.0%	5	27	0	40	100
5,724,798	8.9%	100.0%	4	27	0	41	100
6,708,583	6.7%	100.0%	3	27	0	42	100
6,891,638	4.4%	100.0%	2	27	0	43	100
7,209,245	2.2%	100.0%	1	27	0	44	100
7,299,442	0.0%	100.0%	0	27	0	45	####